

FIG. 1 PRIOR ART

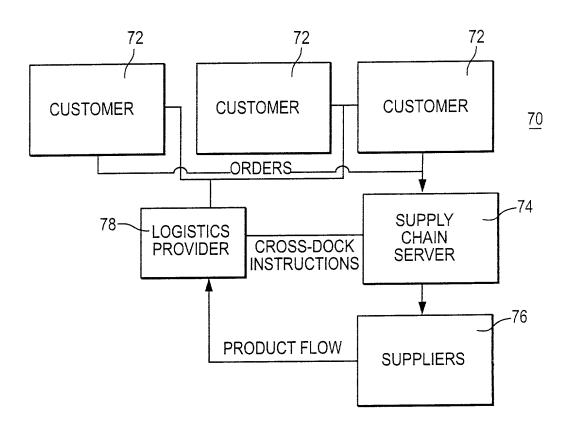


FIG. 2

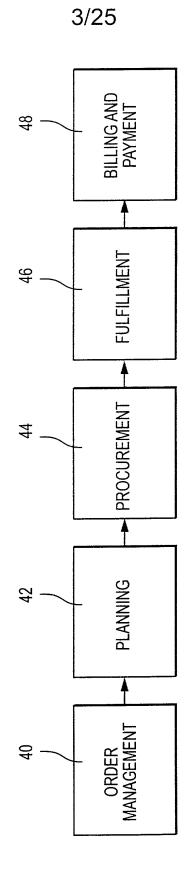


FIG. 3

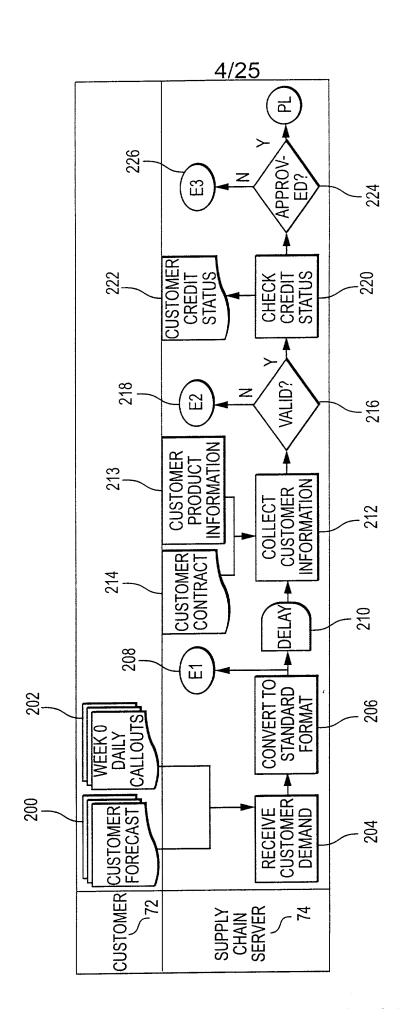


FIG. 4

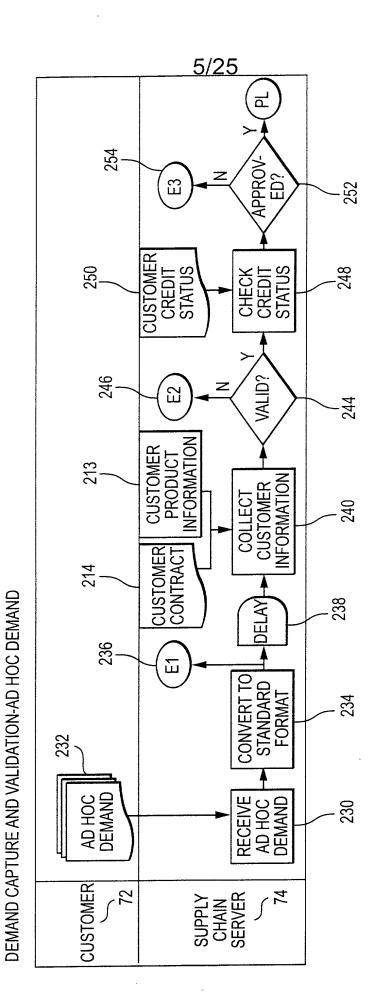


FIG. 5

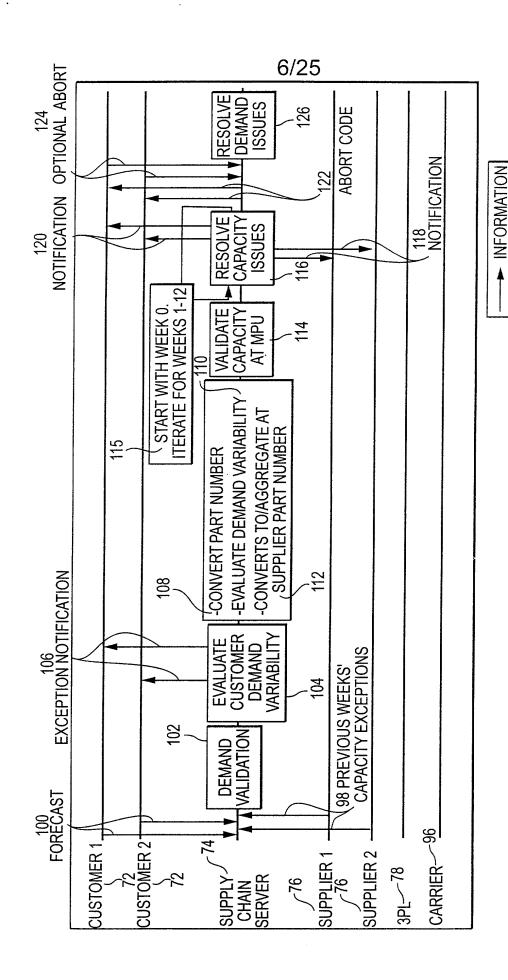


FIG. 6

NORMAL PLANNING SCENARIO

7/25 (FIG. 8) 330 (FIG. 10A) VALIDATE SUPPLIER CAPACITY AGGREGATE DEMAND AT SUPPLIER MPU 138 E2 140 CONVERT TO SUPPLIER PART NUMBER 136 PART NUMBER AND SUGGESTED SUPPLIER 134 ш 132 CONSOLIDATE
VALIDATED
CUSTOMER
FORECASTS 130 3PL CUSTOMER SUPPLIER 76 SERVER SUPPLY 74 CHAIN

FIG. 7

8/25

CONSTRAINED SUPPLY PLANNING SCENARIO (ITERATIVE PROCESS)

330 (FIG. 10A) 162 SUPPLY <u>|SD></u> 330 (FIG. 10A) PLANNER INTERVENTION-CHECK WITH CUSTOMER 158 (FIG. 10A) 156 INTERVENTION-CHECK WITH SUPPLIER PLANNER 154 330 (FIG. 10A) INTERVENTION REDISTRIBUTE SOURCING **PLANNER** 150 148 CUSTOMER SUPPLIER SERVER SUPPLY CHAIN 35

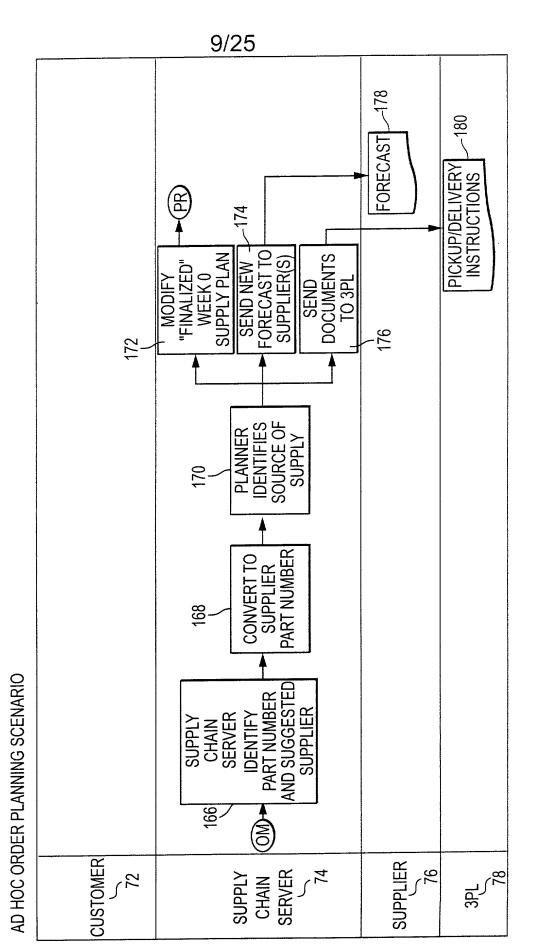


FIG. 9

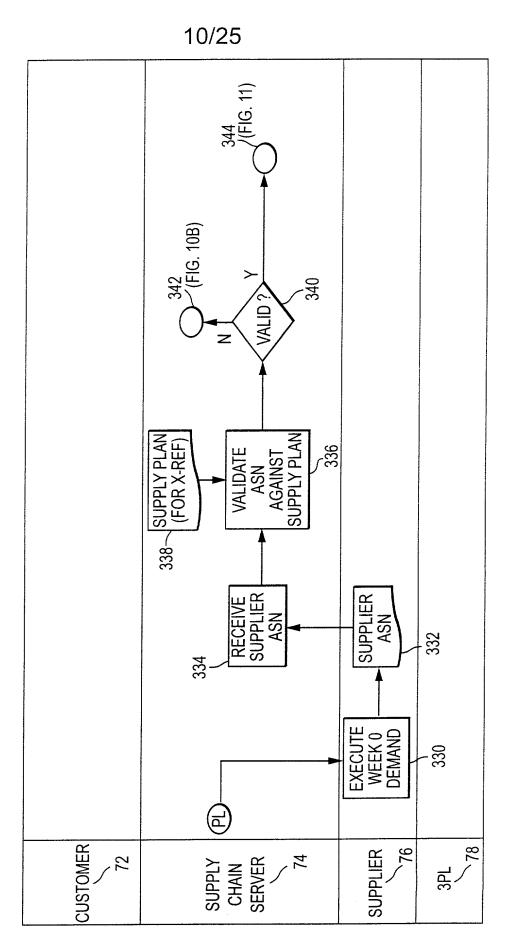


FIG. 10A

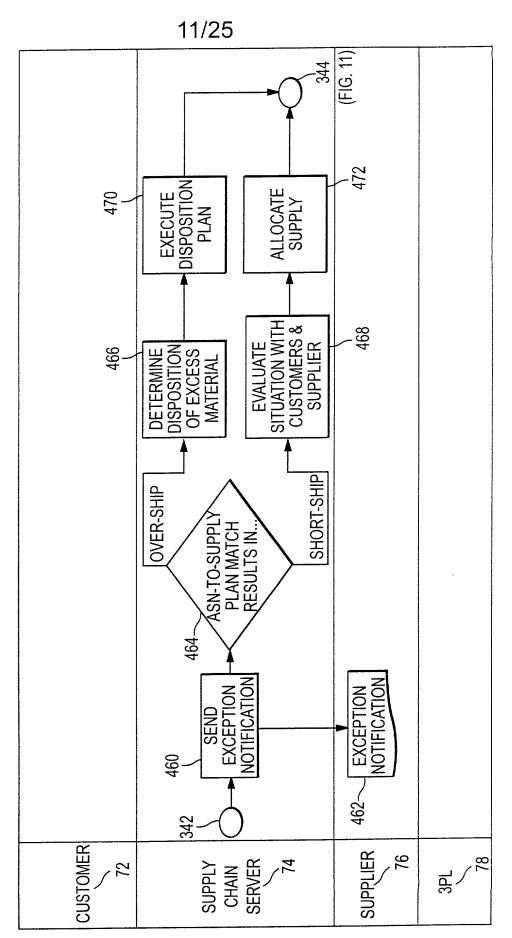


FIG. 10B

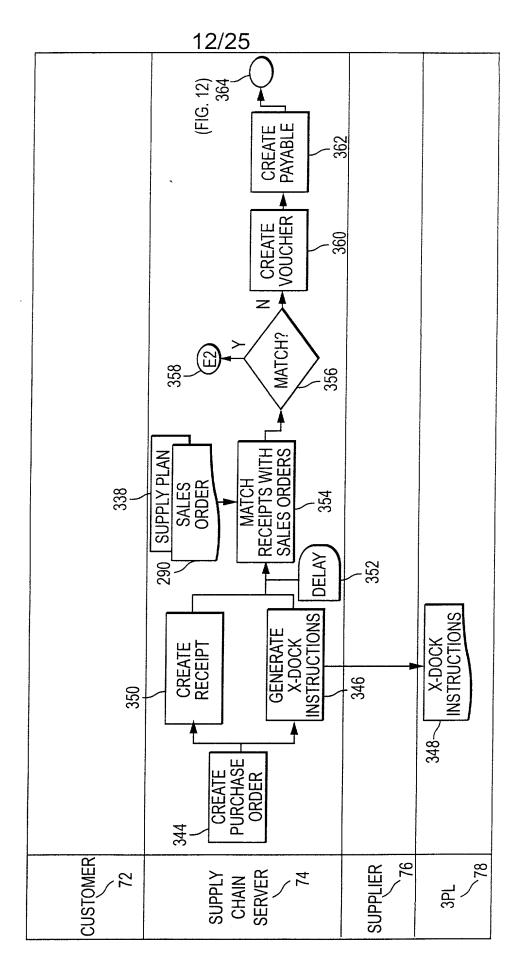


FIG. 11

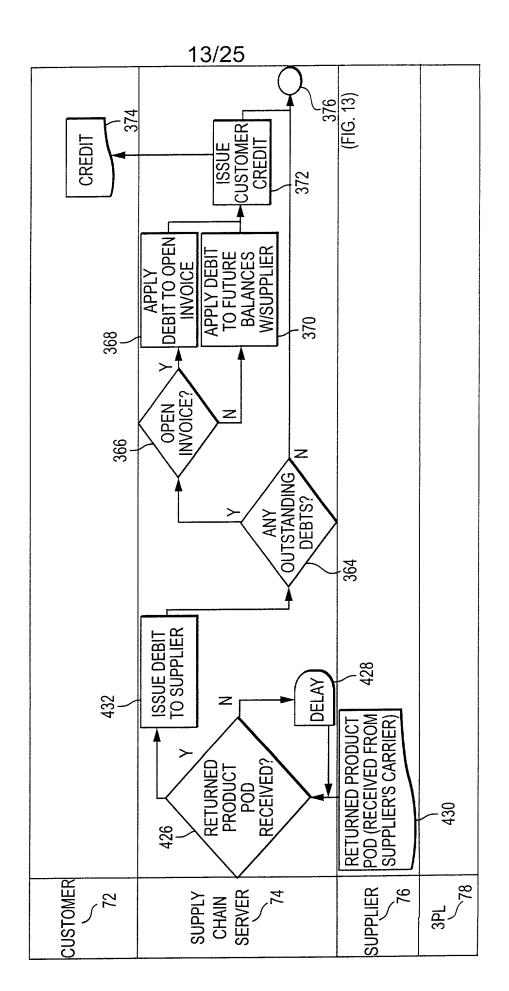
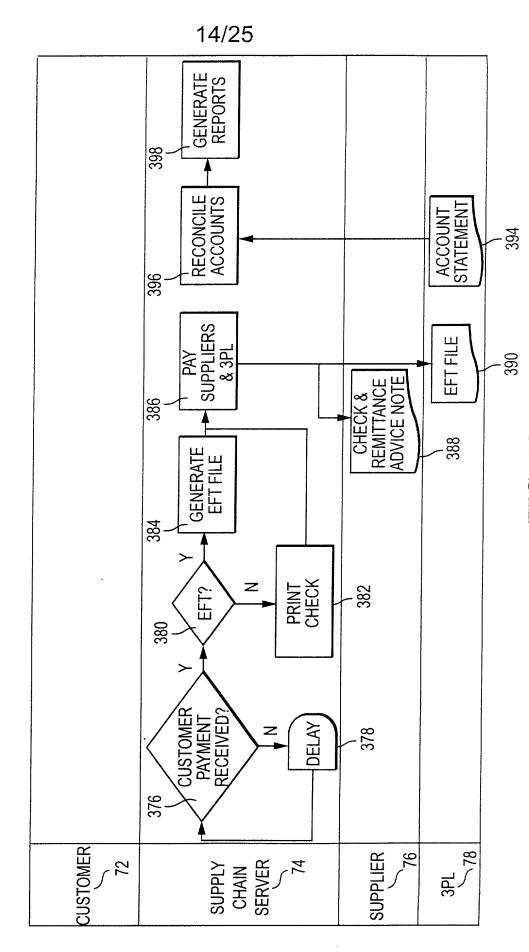


FIG. 12



FG. 13

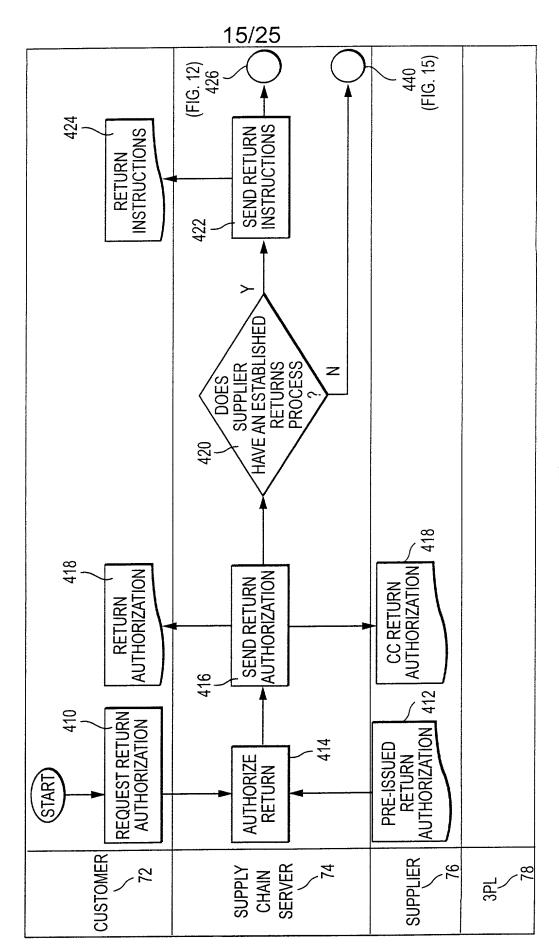


FIG. 14

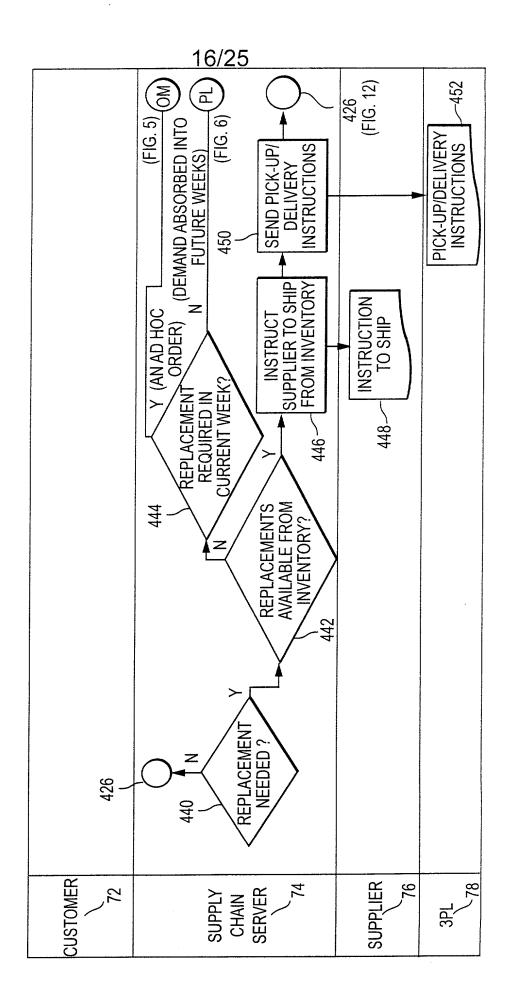
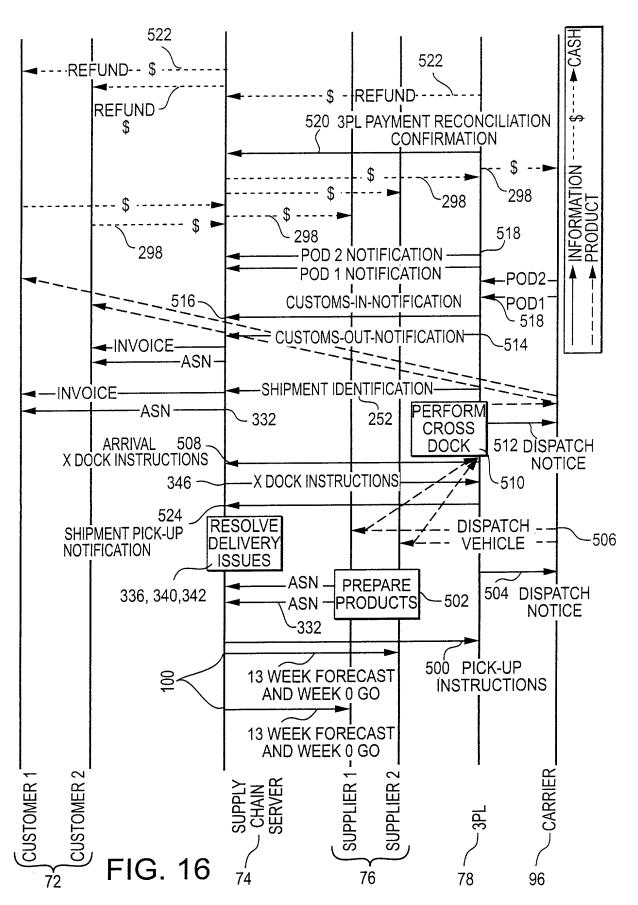


FIG. 15



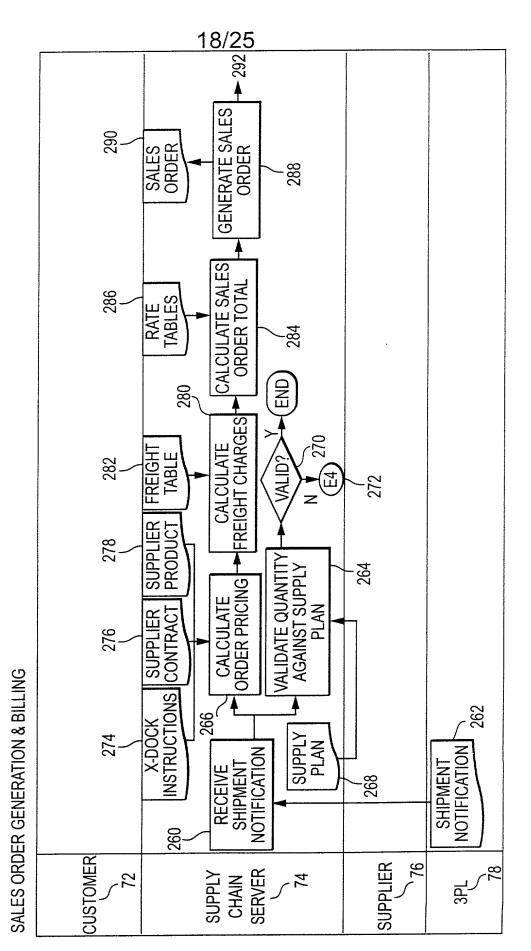


FIG. 17

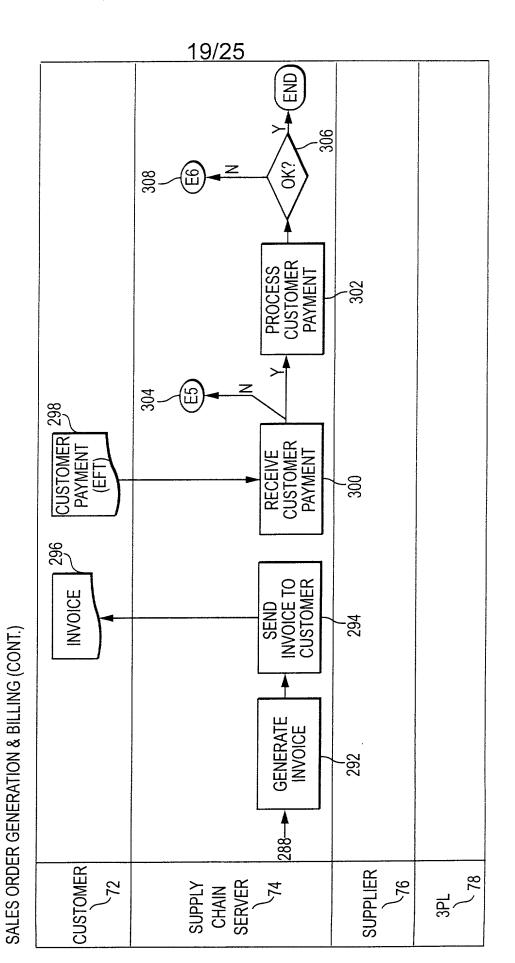


FIG. 18

- DAILY CUSTOMER PARTS ORDERS ORDERS ORDERS ORDERS ORDERS OUSTOMER PARTS PURCHASED MONTH-TO- DATE - CUSTOMER PARTS PURCHASED WONTH-TO-DATE - CUSTOMER ORDER - CUSTOMER PARTS - CUSTOMER PORTER - CUSTOMER PARTS - CUSTOMER PORTER - CUSTOMER PORTER - CUSTOMER PORTER - CUSTOMER PARTS - CUSTOMER PORTER - CUSTOMER PARTS - CUSTOMER	20/25	
- DAILY -  •CUSTOMER OPEN ORDERS •CUSTOMER PARTS PURCHASED WEEK-TO-DATE •S'S SPENT WEEK-TO-DATE •ALLOCATION WATCH •PART SPECIFIC QUANTITIES PURCHASED WEEK-TO-DATE •TOP-OFF PARTS ATP* •CUSTOM REPORTS*	- MONTHLY -  •CURRENT SERVICES (I.E. SERVICES CUSTOMER HAS SUBSCRIBED TO)  •CUSTOMER PARTS PURCHASED YEAR-TO-DATE  •HISTORICAL STATISTICS (ORDER LOG, FORECAST LOG, ISSUES RESOLVED PRIOR TO CURRENT MONTH  •CUSTOMER \$'S SPENT WEEK-TO-DATE  •PARTS SUPPLIED BY SUPPLY CHAIN NETWORK •BASIC DATA SERVICE REPORTS  •PARTS SPECIFIC QUANTITIES PURCHASED YEAR-TO-DATE  •COMMODITY-SPECIFIC QUANTITIES PURCHASED YEAR-TO-DATE  •FEED FORWARD REPORTS  •FEED FORWARD REPORTS	•SUPPLIER PERFORMANCE STATISTICS •SUPPLY CHAIN NETWORK PERFORMANCE STATISTICS •SUPPLY CHAIN NETWORK FORECAST ACCURACY/UPTAKE % •3PL PERFORMANCE STATISTICS •MARKET DATA TRENDS* •CUSTOM REPORTS ANALYSIS*
		•CUSTOM REPORTS*
- REAL-TIME - ORDER STATUS (USTOMER INFO) IPDATES ABORT CODE EMAIL TO CCOUNT TEAM SHIPMENT RACKING LINK TO 3PL SITE) ALERTS/ ALERTS/ ALERTS/ ALESSAGES	- DAILY -  • CUSTOMER OPEN ORDERS • CUSTOMER PARTS PURCHASED WEEK-TO-DATE • S'S SPENT WEEK-TO-DATE • PART SPECIFIC QUANTITIES PURCHASED • WEEK -TO-DATE • COMMODITY-SPECIFIC QUANTITIES PURCHASED WEEK-TO-DATE • TOP-OFF PARTS ATP*	•CUSTOM REPORTS*
OPERATIONAL ANALYSIS	-REAL-TIME - ORDER STATUS ORDER STATUS (EVENTUALLY) CUSTOMER INFO UPDATES -ABORT CODE -EMAIL TO ACCOUNT TEAM SHIPMENT TRACKING (LINK TO 3PL SITE) ALERTS/ MESSAGES	IVSIS

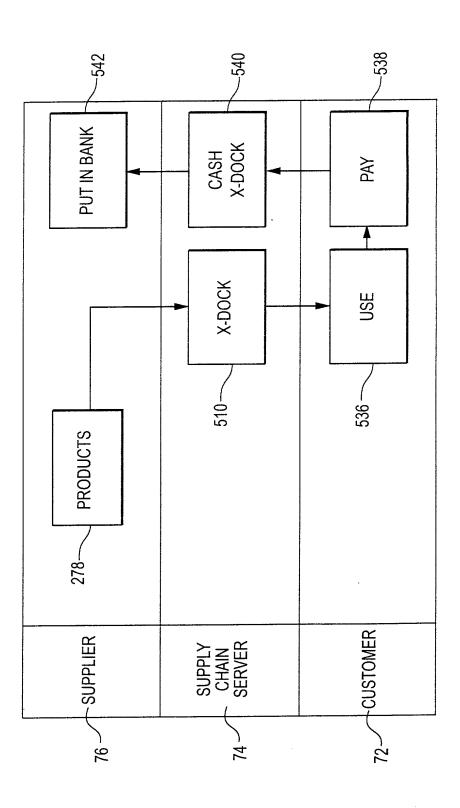


FIG. 20

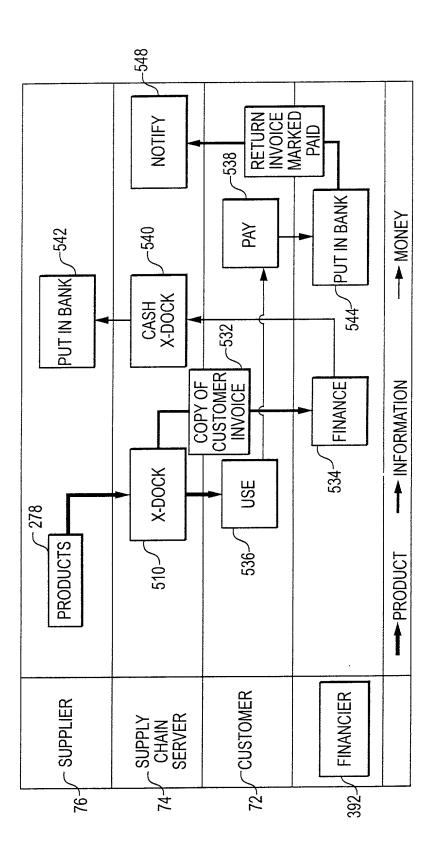


FIG. 21

